

Product datasheet for **MG206605**

Prim1 (NM_008921) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prim1 (NM_008921) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prim1
Synonyms:	A1324982
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206605 representing NM_008921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCATTTGATCCTGCGGAGCTGCCGGAGCTACTCAAGCTTTATTACCGAAGGCTCTTCCCTACG
CCCAGTACTATCGCTGGCTCAACTATGGCGGAGTGACAAAGAATTACTTTCAACACCGTGAATTTTCATT
CACACTGAAAGATGATATTTACATTGCTACCAGTCTTCAACAACCAGAGTGAAGTGGAGAAGGAGATG
CAGAAAATGAATCCATATAAGATTGATATAGGCGCAGTATATTCTCACAGACCAATCAACACAATACAG
TGAAGCTGGGAGCTTTCCAGGCCAGGAGAAAGAAGTGGTCTTTGACATCGACATGACAGACTACGATGA
CGTAAGGAGATGCTGCAGTTCTGCAGACATATGTTCCAAATGCTGGACTCTCATGACAATGGCCATGCGC
ATCATAGACCGGGCATTGAAGGAGGACTTTGGATTTAAGCACCGCCTCTGGGTCTATTAGGAAGGAGAG
GTGTGCACTGTTGGGTCTGTGATGAATCCGTTGAAAAGCTGTCCTCTGCTGTGCGCTCCGGGATCGTGA
GTACTTGAGTCTTGTAAGGGTGGTCAAGATGTTAAAAAGAAAGTTCACCTAAATGAGAAAGTTCACCTT
TTGTGCAAAAATCTATAAACATAATTAAGAAAGTACTTTGAGGAATATGCCTTAGTCGGCAAGATATTC
TTGAAAATAAAGAAAAGTGGGATAAGATTTTAGCCCTGTTCTGAGACAATTCATGATGAGCTGCAAG
AGGTTCCAGAAGTCCACAGTTCACCTCAGCGCTGGGAACACCTGAGGAAAGTGGCAACTCATCTCAG
AATATGAAGAACGATAAGTGGGCCCCCTGGCTGGAGTGGGAGGTCATGCTCCAGTACTGTTTCCCACGCC
TGGATGTCAACGTCAGCAAGGGAGTCAATCACTTACTGAAGAGCCCTTTCAGTGTTCATCCCAAGACAGG
TCGGATTTCTGTGCCTATCGATTTTCATAAAGTGGATCAATTTGATCCGTTTACTGTCCCAACTATAAGT
GCCATCTGCCGGAAATGGATATGGTTTCCACTCATGAGAAGGAAAAGGAGGAGAATGAAGCTGACAGCA
AACACAGAGTCAGAGTTACAAGAAGACCAGTCTAGCACCGTATGTGAAAGTATTTGAACAGTTTCTTGA
AAACCTGGATAAATCCCGGAAAGGGAACTTCTCAAGAAGAGCGATTTACAAAAGATTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206605 representing NM_008921
 Red=Cloning site Green=Tags(s)

MEPFDPAELPELLKLYRRLLFPYAQYYRWLNYYGGVTKNYFQHREFSFTLKDDIYIRYQSFNNQSELEKEM
 QKMNPYKIDIGAVYSHRPNQHNTVKLGAFQAQEKELVFDIDMTDYDDVRRCCSSADICSKCWTLMTMAMR
 IIDRALKEDFGFKHRLWVYSGRRGVHCWVCDSEVRKLSAIVRSIGIVEYLSLVKGGQDVKKVHLNEKVHP
 FVRKSINIIKKYFEEYALVGQDILENKENWDKILALVPETIHDELQRFQKFHSSPQRWEHLRKVANS SQ
 NMKNDKCGPWLEWEVMLQYCFPRLDVNVSKGVNHLLKSPFSVHPKTRGISVPIDFKVDQDFPFTVPTIS
 AICRELDMVSTHEKEKEENEADSKHRVRGYKKTSLAPYVKVFEQFLENLDKSRKGELLKKSDDLQKDF

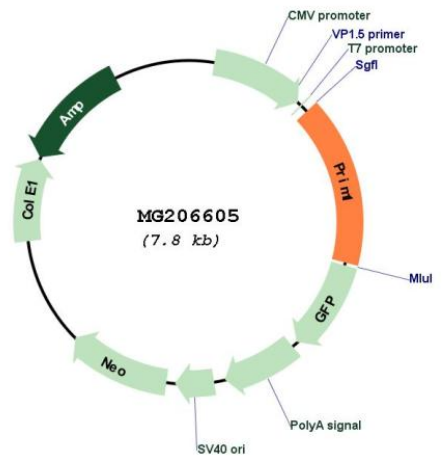
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008921

ORF Size:	1251 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_008921.2 , NP_032947.1
RefSeq Size:	1533 bp
RefSeq ORF:	1254 bp
Locus ID:	19075
UniProt ID:	P20664
Cytogenetics:	10 D3
Gene Summary:	DNA primase is the polymerase that synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication.[UniProtKB/Swiss-Prot Function]